

# BEACONSFIELD MINE JOINT VENTURE

## Diamond Drill Core Log

Hole No. : B44

Date Started : 2 October 1997

Drilled by : Diamond Drilling (Tas.)

Date Completed : 24 October 1997

Logged by : J.G. Purvis

### Collar

Northing : 5440740.86  
Easting : 482887.20  
R.L. : 2058.26  
Dip : -59.8  
Bearing : 349.65

### Hole Details

Final Depth : 239.6  
Hole Length : 239.6  
Core Size : 0.0 28.7 Tricone  
28.7 239.6 HQ

### Purpose

Further delineation of anomalous gold mineralisation at Pease Creek

### Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
137.8	143.7	5.9	Zone of intense quartz ankerite veining	1.53	1.17	7	38	488	1881	1.39

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# BEACONSFIELD MINE JOINT VENTURE

## Diamond Drill Core Log

Hole B44

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From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
0.0	28.7	Triconed - no core. Tertiary gravels, silts and clays.	TER	grv	28.7	30.1	79	0	28.7	30.0	<0.01	<1	1	4	<3	13	0.02
					30.1	31.6	55	0	30.0	31.5	<0.01	<1	<1	2	<3	14	0.04
28.7	38.5	Brown, strongly oxidized fine grained quartzose sandstone and siltstone. Badly decomposed - leached and porous with soft clayey sections. Brown MnOx stains and on fractures. Bedding 15CA. Some 2mm quartz veinlets. Abrupt limit to strong oxidation at base.	OUT	sll	31.6	32.9	77	0	31.5	33.0	0.01	<1	<1	5	<3	12	0.05
					32.9	33.9	77	10	33.0	34.5	0.01	<1	2	3	<3	25	0.06
					33.9	35.5	54	0	34.5	36.0	0.02	<1	<1	22	<3	50	0.04
					35.5	37.0	105	0	36.0	37.5	0.03	<1	6	3	4	26	0.02
					37.0	38.5	80	0	37.5	38.5	0.02	<1	10	4	<3	33	0.02
					38.5	39.4	31	0	38.5	40.0	0.06	<1	4	21	10	16	1.06
					39.4	40.7	82	0	40.0	41.5	0.02	<1	4	12	10	2	0.40
		Ground conditions: poor. Generally badly broken.			40.7	42.1	96	14	41.5	43.0	0.01	<1	3	9	6	3	0.08
					42.1	43.6	104	0	43.0	44.5	<0.01	<1	4	18	<3	6	0.07
38.5	99.5	Grey-black, fine grained, pyritic, carbonaceous, quartzose sandstone and siltstone. Crumbly clayey bands (1-2m) after decomposed limestone. Bedding 20-30 CA. Minor to locally very common vuggy comb-structured quartz veinlets at high angle to CA. Some contain muscovite, but rarely pyrite although veinlets are often concentrated in areas of pyritic fracturing. Oxidation limited to leaching of all carbonate, and limonite (with pyrite) on fractures to 44m. Common pyrite throughout (averaging 1-3%) as veinlets, on fractures and disseminations. Rock smells strongly of sulphides and may contain more pyrite as ultra-fine invisible disseminations. Fracture/veinlet pyrite is locally abundant, eg; 38.5-40.5m, 51-54m, 81.8-83.8m, 87.2-92.5m and below 96m. Some decomposed limestone bands contain up to 5% sooty pyrite, eg; 55.8-57.1m.	OUT	sll	43.6	45.1	51	0	44.5	46.0	<0.01	<1	2	7	24	26	0.57
					45.1	45.7	85	17	46.0	47.5	<0.01	<1	13	6	22	10	0.19
					45.7	46.7	100	0	47.5	49.0	<0.01	<1	31	8	11	6	0.28
					46.7	48.1	107	0	49.0	50.5	<0.01	<1	32	10	34	31	0.32
					48.1	49.6	102	0	50.5	52.0	<0.01	<1	22	10	31	25	0.60
					49.6	51.1	91	27	52.0	53.5	0.05	<1	42	7	43	17	0.38
					51.1	52.6	87	9	53.5	55.0	<0.01	<1	17	7	30	12	0.20
					52.6	53.4	89	0	55.0	56.5	<0.01	<1	34	12	29	35	0.32
					53.4	54.9	97	16	56.5	58.0	<0.01	<1	47	18	7	71	0.48
					54.9	55.8	94	0	58.0	59.5	<0.01	<1	9	9	8	53	0.07
					55.8	57.1	76	0	59.5	61.0	<0.01	<1	5	4	17	51	0.05
					57.1	58.6	96	0	61.0	62.5	<0.01	<1	7	7	16	40	0.10
					58.6	60.1	105	0	62.5	64.0	<0.01	<1	4	8	21	35	0.17
					60.1	61.6	91	0	64.0	65.5	<0.01	<1	11	7	38	23	0.08
					61.6	62.6	77	0	65.5	67.0	0.12	<1	224	8	46	22	0.29
					62.6	63.6	96	0	67.0	68.5	0.14	<1	3	7	45	29	0.20
					63.6	64.7	99	0	68.5	70.0	<0.01	<1	33	5	26	14	0.11
					64.7	66.1	106	0	70.0	71.5	0.04	<1	66	8	43	28	0.16
		Ground conditions: fair to poor. Generally well-			66.1	67.1	95	10	71.5	73.0	0.20	<1	109	9	27	29	0.30
					67.1	68.1	93	0	73.0	74.5	0.35	<1	12	8	62	45	0.36

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From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		fractured and broken, with crumbly clayey bands - largest 83.8-87.2m (water return lost here).			68.1	69.1	109	10	74.5	76.0	<0.01	<1	9	4	76	42	0.13
					69.1	70.6	94	0	76.0	77.5	<0.01	<1	6	6	54	34	0.81
					70.6	71.9	95	0	77.5	79.0	<0.01	<1	5	5	48	32	0.12
99.5	100.5	Low angle (15 CA) mineralized fault in decomposed sandstone. Crumbly, leached and porous quartz-pyrite veined sandstone with 30cm vuggy band of quartz-pyrite cemented breccia. Overall: 5-7% pyrite.	OUT	sll	71.9	72.5	87	0	79.0	80.5	<0.01	<1	7	5	22	25	0.11
					72.5	74.0	96	15	80.5	82.0	<0.01	<1	6	5	54	24	0.21
					74.0	75.1	94	0	82.0	83.5	<0.01	<1	10	7	54	21	0.15
					75.1	76.6	99	0	83.5	85.0	<0.01	3	12	23	11	52	0.26
					76.6	78.1	94	7	85.0	86.5	<0.01	1	14	30	15	64	0.31
100.5	124.6	Dark grey-black fine grained pyritic carbonaceous quartzose sandstone. Generally massive (bedding 20-30 CA). Variably porous due to leaching of carbonate. Occasional thin crumbly decomposed limestone beds. Minor vuggy quartz veinlets at right angles to bedding. About 2% visible pyrite, most commonly on fractures, also as disseminations and veinlets. But rock smells of sulphides and there may be more pyrite as ultra-fine disseminations. 3-5% sooty pyrite in some limestones (eg: 116.5-117.5m). Occasional graphitic partings.	OUT	sll	78.1	79.1	98	0	86.5	88.0	<0.01	<1	5	19	11	95	0.23
					79.1	80.7	96	0	88.0	89.5	<0.01	<1	8	8	5	17	0.35
					80.7	82.2	102	7	89.5	91.0	<0.01	<1	9	6	13	27	0.28
					82.2	83.8	81	0	91.0	92.5	<0.01	<1	7	16	9	73	0.62
					83.8	85.0	68	0	92.5	94.0	<0.01	1	9	21	<3	79	0.27
					85.0	86.5	36	0	94.0	95.5	<0.01	<1	15	20	5	68	0.25
					86.5	87.2	123	0	95.5	97.0	<0.01	<1	10	6	<3	109	0.17
					87.2	88.6	69	0	97.0	98.5	<0.01	<1	11	6	7	69	0.20
					88.6	89.8	94	0	98.5	99.5	<0.01	<1	20	5	<3	46	0.27
					89.8	90.6	119	0	99.5	100.5	0.30	2	1148	12	58	98	2.81
					90.6	91.7	78	0	100.5	101.5	0.02	1	82	7	16	28	1.28
					91.7	93.1	84	7	101.5	102.5	<0.01	1	24	7	29	38	0.65
		Ground conditions: fair to poor. Broken by planar fractures and crumbly rubble zones.			93.1	94.0	100	0	102.5	103.5	0.01	<1	20	10	20	35	0.31
					94.0	95.1	85	0	103.5	104.5	<0.01	1	13	16	52	103	0.37
					95.1	96.1	89	0	104.5	105.5	<0.01	1	30	11	19	67	0.31
124.6	131.8	Pyritic and veined fault in sandstone.	OUT	sll	96.1	97.6	93	0	105.5	106.5	<0.01	1	18	10	23	47	0.16
		Faulted, fractured and broken zone in dark leached sandstone as above. Conspicuous pyritic fractures and veinlets (strongest 20-30 CA) and common spidery quartz veinlets (usually +60 CA). Very minor irregular ankerite (-quartz-pyrite) veinlets. Main fault represented by 25cm of quartz-pyrite cemented cataclasite 30 CA at 127.8m (15% py>aspy), with crumbly zone to 129.6m of intense pyrite and quartz net-veinlets with some ankerite-pyrite veinlets.			97.6	99.1	100	27	106.5	107.5	0.01	1	14	16	22	61	0.25
					99.1	100.1	90	10	107.5	108.5	<0.01	1	13	19	20	55	0.27
					100.1	101.6	76	0	108.5	109.5	<0.01	1	15	12	18	80	0.56
					101.6	101.8	155	0	109.5	110.5	<0.01	1	13	8	19	55	0.45
					101.8	103.4	96	20	110.5	111.5	0.01	1	14	8	14	28	0.42
					103.4	104.4	103	0	111.5	112.5	0.03	1	20	7	13	28	0.23
					104.4	105.1	73	17	112.5	113.5	<0.01	1	8	6	12	29	0.38
					105.1	106.6	95	7	113.5	114.5	<0.01	1	4	8	24	30	0.13
					106.6	108.0	97	0	114.5	115.5	<0.01	1	12	5	18	26	0.11

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		Overall: 3-4% pyrite, minor aspy.			108.0	108.9	100	36	115.5	116.5	<0.01	1	17	8	144	52	0.14
					108.9	109.6	90	0	116.5	117.5	0.13	1	72	14	20	61	0.7
131.8	159.1	Grey to dark grey, fine grained carbonaceous quartzose sandstone with ankerite veining. Same rock as above 124m except mildly calcareous (weak leaching) including bands of impure limestone. Bedding 20 CA (generally massive). Occasional graphitic partings. Ankerite veinlets usually <5mm, high angle to CA and with minor quartz, pyrite and arsenopyrite. Veining most common 138-141.7m (10% veinlets 50 CA, 2% py-aspery). Largest ankerite vein 70mm 35 CA at 149.7m. Common vuggy quartz veinlets (some +pyrite), abundant 153.2-157.5m. Pyrite on fractures (less than before), best 149.6-151.6m (2% py-aspery). Overall, 1% py>aspery with aspy:py ratio higher than elsewhere in hole.	OUT	sll	109.6	110.5	83	13	117.5	118.5	0.20	1	417	9	7	36	0.6
					110.5	112.1	92	26	118.5	119.5	0.31	1	388	11	9	22	0.42
					112.1	113.4	104	0	119.5	120.5	<0.01	1	18	8	15	27	0.15
					113.4	115.0	99	14	120.5	121.5	0.01	1	12	7	8	21	0.9
					115.0	116.5	87	0	121.5	122.5	0.02	1	24	7	13	18	0.24
					116.5	118.0	98	7	122.5	123.5	<0.01	1	14	7	10	20	0.15
					118.0	119.3	104	9	123.5	124.6	0.04	1	24	9	15	26	0.16
					119.3	120.1	93	0	124.6	125.3	0.50	<1	448	4	21	43	0.98
					120.1	121.6	95	9	125.3	126.3	0.98	<1	2223	4	19	35	2.63
					121.6	123.1	102	28	126.3	127.3	0.09	<1	213	4	17	33	0.7
					123.1	124.0	66	0	127.3	127.9	0.19	<1	1095	12	115	111	5.87
					124.0	125.3	88	0	127.9	128.9	0.45	<1	959	6	47	47	1.25
					125.3	126.8	100	7	128.9	129.6	0.89	<1	1979	10	136	133	4.11
					126.8	128.2	98	0	129.6	130.7	0.16	<1	460	9	21	39	1.18
					128.2	129.1	107	19	130.7	131.8	0.04	<1	85	15	20	32	0.39
		Ground conditions: fair. Rock is harder than before. Fractured and broken at intervals. Badly broken below 157.5m by small high-angle faults.			129.1	130.3	96	0	131.8	132.8	0.01	<1	40	4	5	27	0.27
					130.3	131.1	96	0	132.8	133.8	0.03	<1	17	7	11	40	0.36
					131.1	132.1	96	15	133.8	134.8	0.81	<1	278	6	<3	27	0.52
					132.1	133.6	101	0	134.8	135.8	0.47	2	567	9	5	58	0.51
159.1	197.5	Dark grey-black, massive, fine grained, calcareous, carbonaceous quartzose sandstone. As above, but ankerite veining is generally minor (best: 173.5-174.6m). There are local zones of abundant ankerite-quartz microveinlets (<1mm). Below pyritic fault at 182.9-183.6m (30 CA) slight lithological change to paler less-carbonaceous more-calcareous sandstone with beds of pale grey limestone to 30cm. These rocks contain abundant irregular veinlets of calcite, but almost no ankerite. Rock pyritic as before to 174.6m (averaging 1% and locally 2-3% eg: in zone of pyrite microveinlets 166-166.5m). Pyrite decreases	OUT	sll	133.6	134.7	91	9	135.8	136.8	0.71	1	832	7	<3	36	0.64
					134.7	135.7	115	26	136.8	137.8	0.44	1	226	7	<3	34	0.53
					135.7	137.1	94	7	137.8	138.8	1.24	2	1386	7	12	972	1.43
					137.1	138.1	97	4	138.8	139.8	2.33	1	2639	6	7	27	1.45
					138.1	139.6	107	47	139.8	140.8	2.58	1	4108	8	35	59	2.67
					139.6	141.1	92	39	140.8	141.7	1.29	1	1186	9	143	1950	1.11
					141.1	141.7	97	40	141.7	142.7	0.66	1	821	5	42	44	0.71
					141.7	143.2	103	68	142.7	143.7	1.05	1	1079	6	<3	20	0.92
					143.2	144.1	79	33	143.7	144.7	0.70	1	432	6	9	17	0.92
					144.1	145.1	106	50	144.7	145.7	0.43	1	651	7	5	17	0.42
					145.1	145.8	94	21	145.7	146.7	0.82	1	870	7	23	30	0.72
					145.8	147.1	98	65	146.7	147.7	0.20	1	122	8	16	34	0.36

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		below 174.6m and is absent below 183.6m.			147.1	148.6	99	38	147.7	148.7	0.04	1	14	7	<3	22	0.4
		Ground conditions generally fair to 183.6m, with			148.6	150.1	95	11	148.7	149.6	0.32	1	54	41	81	68	0.68
		small faults, fracturing and mild breaking. Below			150.1	151.6	101	58	149.6	150.3	0.47	1	219	9	<3	17	0.8
		183.6m conditions good. Rock is hard.			151.6	153.1	91	43	150.3	151.0	0.08	1	54	10	25	17	2.04
					153.1	154.6	105	32	151.0	151.7	0.07	1	13	11	9	48	1.79
197.5	205.4	Fault. Creamy-fawn, partly leached and bleached,			154.6	156.1	101	34	151.7	152.5	0.62	1	174	8	<3	21	0.71
		soft, crumbly and broken sandstone. Below main			156.1	157.6	92	42	152.5	153.2	0.21	1	145	9	<3	19	0.45
		fault zone at 201.8-203.2m, sandstone is markedly			157.6	159.1	99	0	153.2	154.3	<0.01	<1	32	7	11	42	0.78
		more calcareous and with thin beds of limestone.			159.1	160.6	103	29	154.3	155.4	<0.01	<1	34	6	20	46	0.59
		Very little veining (minor calcite, rare ankerite). At			160.6	162.1	92	49	155.4	156.5	<0.01	<1	32	13	9	53	0.36
		200.2-220.9m 3% pyrite as disseminations and			162.1	163.6	107	23	156.5	157.5	0.05	<1	81	9	3	26	0.28
		dendritic veinlets (clearly late-stage). Elsewhere			163.6	165.1	96	9	157.5	158.3	<0.01	<1	54	7	6	31	0.14
		pyrite very minor.			165.1	166.6	99	53	158.3	159.1	0.08	<1	134	5	7	28	0.4
					166.6	167.9	82	12	159.1	160.5	0.04	<1	51	7	<3	26	0.31
205.4	239.6	Pale green, fine to medium grained calcareous			167.9	169.4	99	36	160.5	162.0	<0.01	<1	9	6	3	37	0.39
		sandstone, siltstone and white limestone.			169.4	171.0	94	28	162.0	163.5	0.02	<1	34	6	<3	20	0.51
		Sandstone/siltstone is quartzose, non-carbonaceous			171.0	172.6	84	24	163.5	165.0	0.01	<1	29	5	4	24	0.43
		and contains common shell fragments. Limestone			172.6	174.1	97	17	165.0	166.5	0.02	<1	64	8	8	32	0.66
		occurs in intervals up to 1.8m. There are thin beds			174.1	175.5	108	7	166.5	168.5	0.01	<1	3	6	7	34	0.22
		of sericitic shale. Bedding 20-30 CA. Downhole-			175.5	177.0	107	28	168.5	169.5	<0.01	<1	17	7	6	36	0.24
		facing grading at 208m. Very common calcite			177.0	178.6	88	13	169.5	171.0	0.04	<1	15	4	<3	36	0.14
		veinlets, becoming abundant and with minor quartz			178.6	180.1	115	34	171.0	172.5	<0.01	<1	12	4	9	35	0.14
		and ankerite, in strong fault below 237.8m. Rare py.			180.1	181.6	105	33	172.5	173.5	<0.01	<1	15	5	12	37	0.12
					181.6	183.1	104	38	173.5	174.6	0.05	<1	57	5	4	21	0.54
		Ground conditions generally good. Bedding-parallel			183.1	184.6	93	27	174.6	176.0	<0.01	<1	7	5	7	74	0.13
		small faults below 225m, approaching badly broken			184.6	186.1	94	46	176.0	177.5	<0.01	<1	17	4	5	78	0.1
		puggy sericite-chlorite altered fault 10 CA starting at			186.1	187.4	108	11	177.5	179.0	<0.01	<1	20	5	11	39	0.07
		237.8m.			187.4	188.9	99	51	179.0	180.5	<0.01	<1	15	7	<3	37	0.12
					188.9	190.4	102	34	180.5	182.0	<0.01	<1	19	5	<3	38	0.26
		E.O.H. at 239.6m			190.4	191.9	100	73	182.0	183.5	<0.01	<1	41	6	4	40	0.35
					191.9	193.4	106	49	183.5	185.0	<0.01	<1	27	4	<3	33	0.06
					193.4	195.0	26	46	185.0	186.5	<0.01	<1	56	9	<3	34	0.07
					195.0	196.0	114	11									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
					196.0	197.5	101	15	200.2	200.9	0.01	<1	55	6	<3	34	2.26
					197.5	199.0	95	0									
					199.0	200.5	93	0	237.8	239.6	<0.01	<1	1	5	3	25	<0.01
					200.5	202.0	85	0									
					202.0	203.0	96	0									
					203.0	204.1	91	0									
					204.1	205.3	105	0									
					205.3	206.8	107	50									
					206.8	208.3	113	39									
					208.3	209.9	95	57									
					209.9	211.4	108	15									
					211.4	213.0	100	27									
					213.0	214.3	98	64									
					214.3	217.3	101	66									
					217.3	218.8	95	64									
					218.8	220.3	98	69									
					220.3	221.8	101	43									
					221.8	223.3	105	26									
					223.3	224.8	100	42									
					224.8	226.0	88	47									
					226.0	227.5	91	45									
					227.5	229.0	100	70									
					229.0	230.5	100	60									
					230.5	232.0	93	69									
					232.0	233.5	95	37									
					233.5	235.0	93	16									
					235.0	236.5	99	43									
					236.5	238.0	100	46									
					238.0	239.6	89	0									

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